Nyno & Nyno-D

For Apple Macintosh

User Manual
1st edition

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Welcome!

Toys For Theater introduces Nyno, video broadcasting application for performing arts.

We wanted Nyno to be simple and efficient as a stand-alone application, but also open to external control such as MIDI and Art-Net.
The Mac and its inertial trackpad stands out as the ideal platform for our application.
Some features of Nyno are specific for theater, such as the indexation of background colors on major makers filters or the supertitles generator.
Everyone though should benefit from its features in their own environment.
Also, we wanted Nyno to be affordable, so as to make quality video broadcasting accessible for all.

Enjoy your reading.

Nicolas Barraud & Ph.Montémont

System requirements:
Apple Macintosh with Intel Processor. Models older than 2010 should be avoided.
Mac OS X Snow Leopard (10.6.x) at least.
For real time video, we recommand the fastest processors, the maximum RAM available and fast hard drives (7,200 rpm or SSD).

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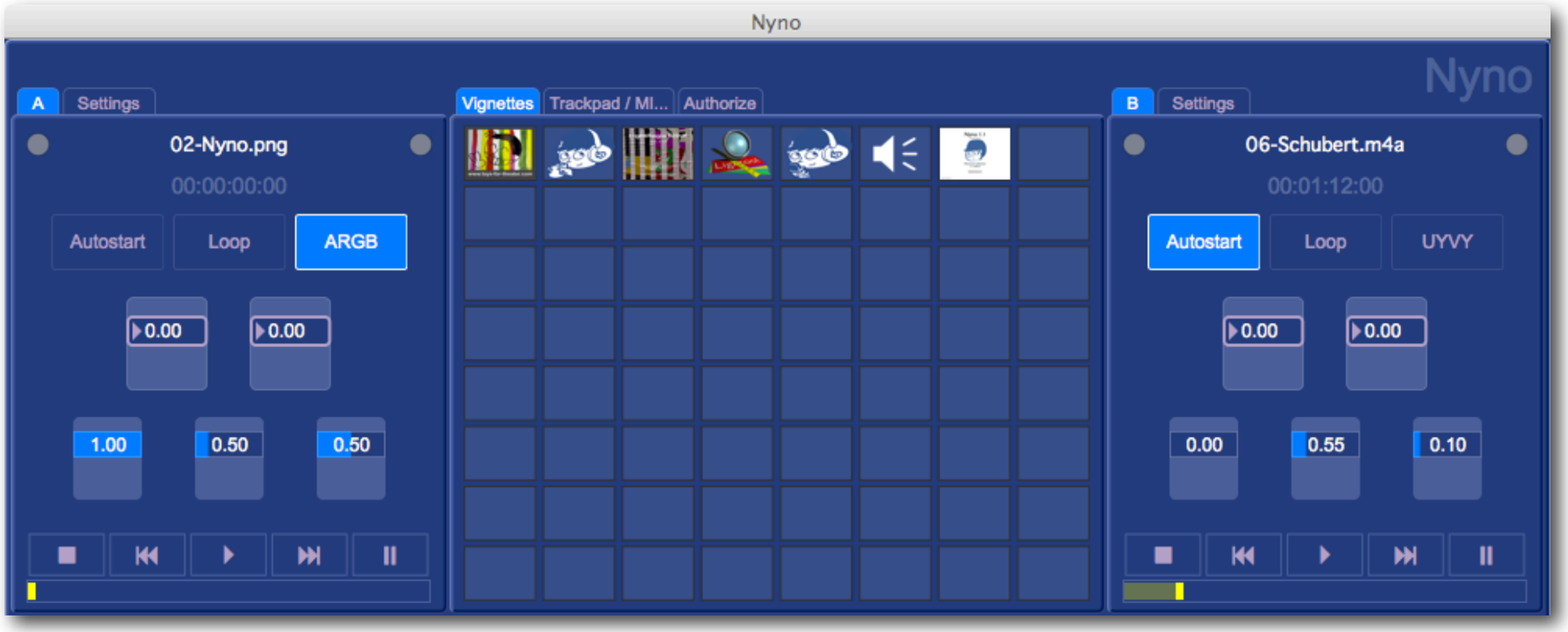
Introduction

Inside Nyno, above: Player A, Thumbnails ("Vignettes"), Player B



Below: Title Generator, Cyclorama, Masters and Output

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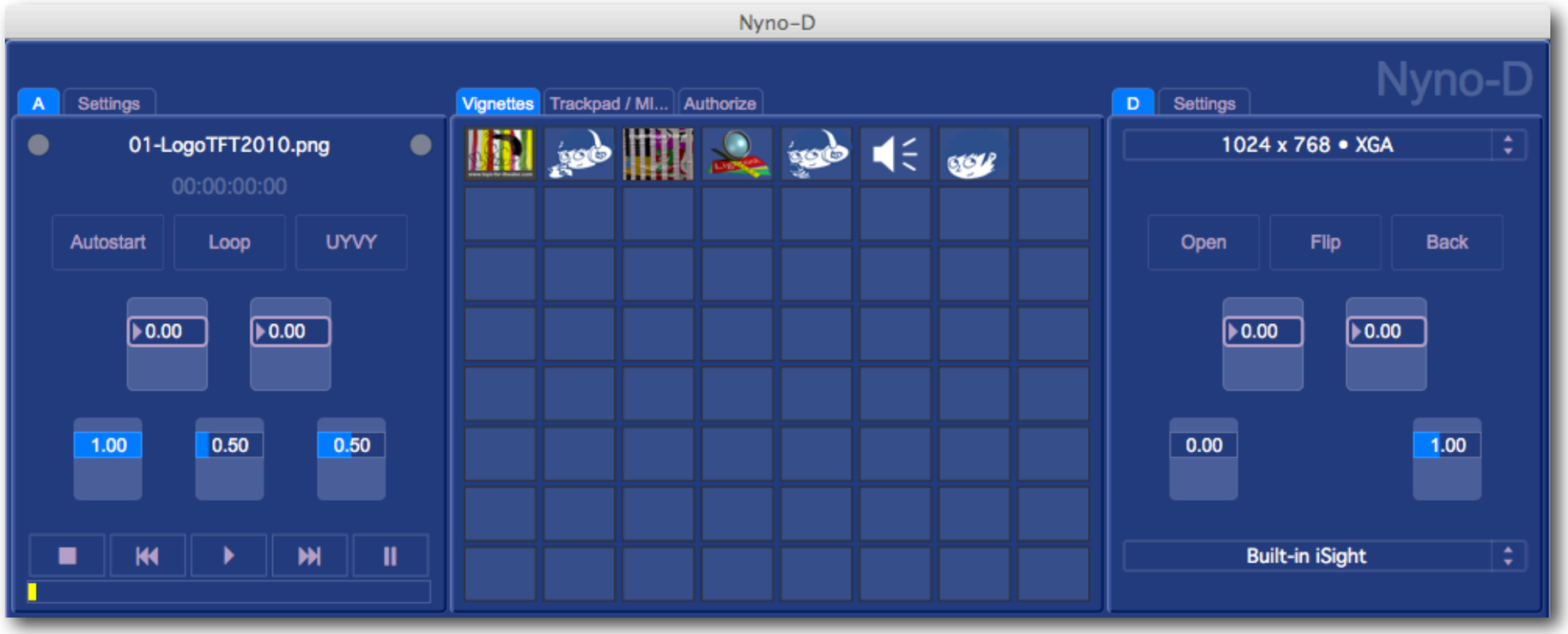
Introduction

Inside Nyno-D, above: Player A, Thumbnails ("Vignettes"), and Digitizer D



Below: Title Generator, Cyclorama and Output

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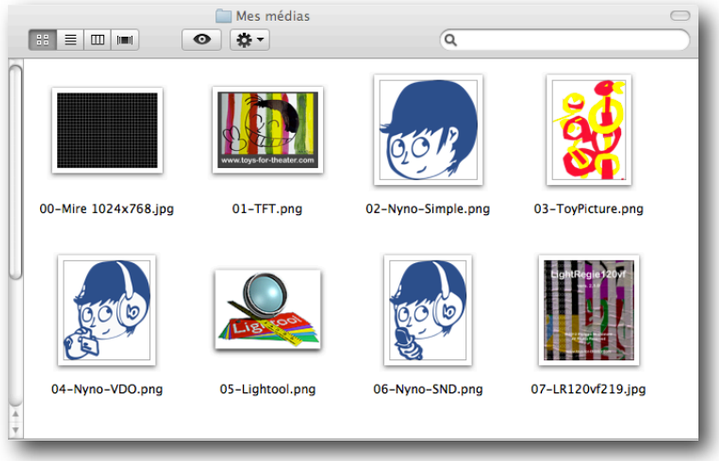
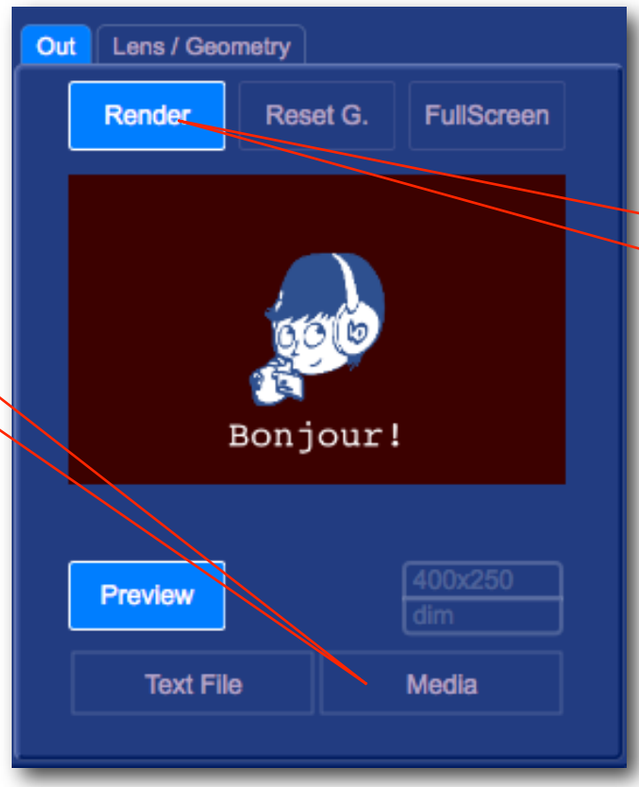
Getting Started

- Create a folder containing all necessary media, i.e. images and sounds.



Files are ordered alphabetically in default settings. To bypass this, just add a number at the beginning of the name of every element (here: 00, 01...08). 64 elements maximum. Then:

❶ Browse toward Media folder...



❷ Render is stopped in order to accelerate the uploading of Thumbnails. You will have to click here at the end of the upload process.

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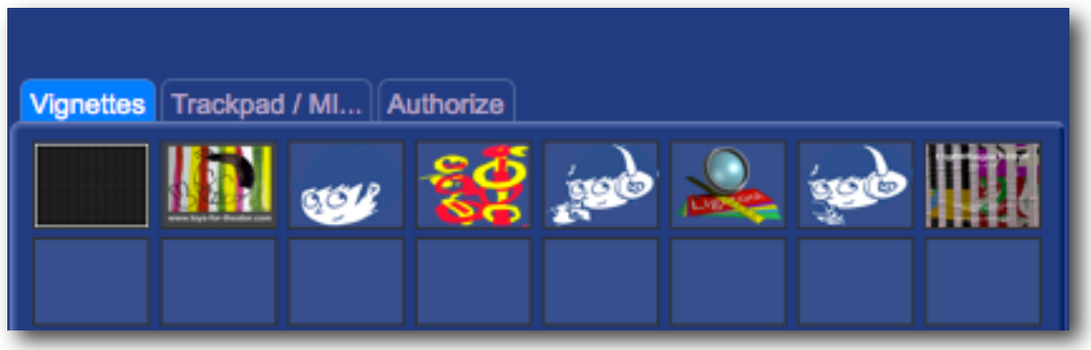
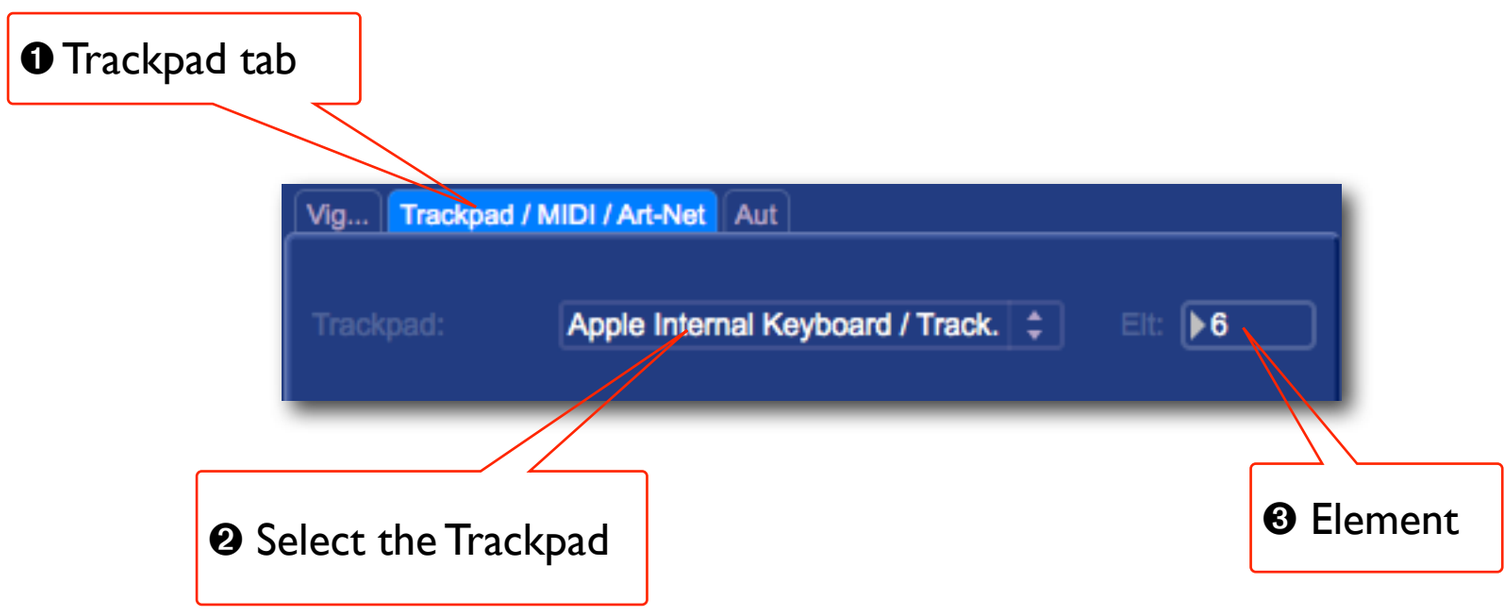
Then...,

-Thumbnails ("Vignettes") are updated. Click on a Thumbnail to feed Player A. In Nyno, ctrl-click to feed player B



-You might have to configure the Trackpad data reception. On a MacBook Pro, choose "Apple Internal Keyboard/Trackpad 2" and element #6. On a MacBook, choose "Trackpad" and element #6.



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Et voilà!

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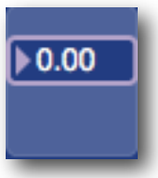
Controllers

- Nyno features two sorts of controllers:

Jog Wheel::



Click-and-drag to the value to increase/decrease it.
The triangle becomes red or the box becomes white.

You may also click and then type a value directly from the pad.
Press Tab (⇥) to deselect the Jog Wheel.

Fader:

Click-and-Drag within the Fader to increase/decrease the value.

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Controllers

- All controllers can be managed through the Two Finger Trackpad, with or without inertia.

- Place the pointer on the tactile zone, which becomes red to indicate that it's now commanded by the Trackpad.

- If you press ⌥ continuously, the tuning gets more precise.

- If you click on the tactile zone, it becomes yellow and gives an initialization value. This is an easy way to put yourself back in position.

- Controllers of players A, B and D have additionnal features:

  - If you press ⇧, any command will apply to both players in same direction, no matter which player you were using.

  - If you press continuously ctrl+⇧, any command will be active in both players in opposite directions. Fine tuning with ⌥ also works with these keyboard shortcuts.

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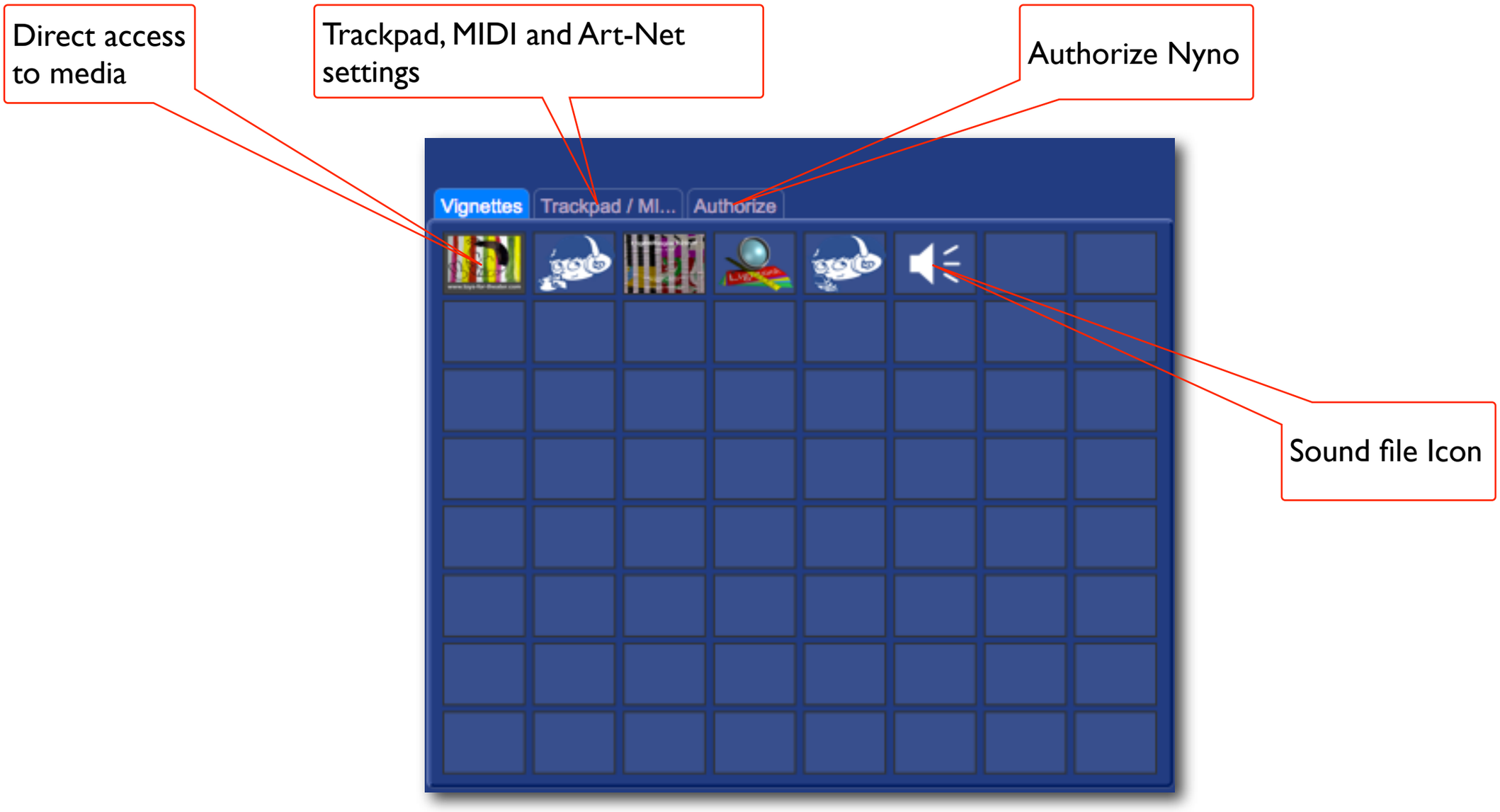
Thumbnails

Click on a thumbnail to load Player A. In Nyno, Ctrl-click to load Player B



Every thumbnail shows the first image of the selected file. Sound files are identified by this icon: 🔈

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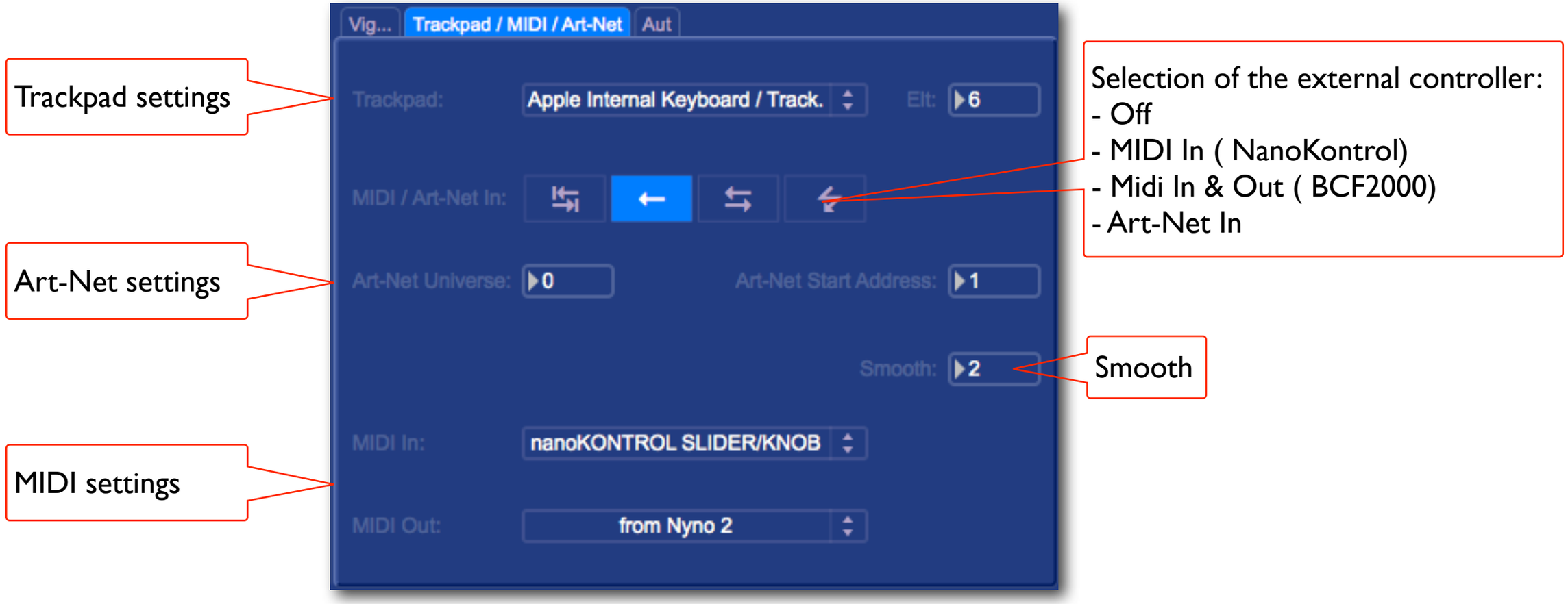
Thumbnails

This is where you interact with Nyno using the Trackpad or external controllers.



- You will find the HiTester utility in the "Ajouts" folder in the dowload archive. It will make the identification of your Mac's Trackpad features easier.

- MIDI controllers must be connected to the Mac and started before the lauching of the application. You will find in the "Ajouts" folder in the download archive the configuration files of Korg NanoKontrol 1&2 and a SysEx for Behringer's BCF2000.

- Smooth allows interpolation between integer values of incoming MIDI or DMX512 streams. This function should be tested before use.

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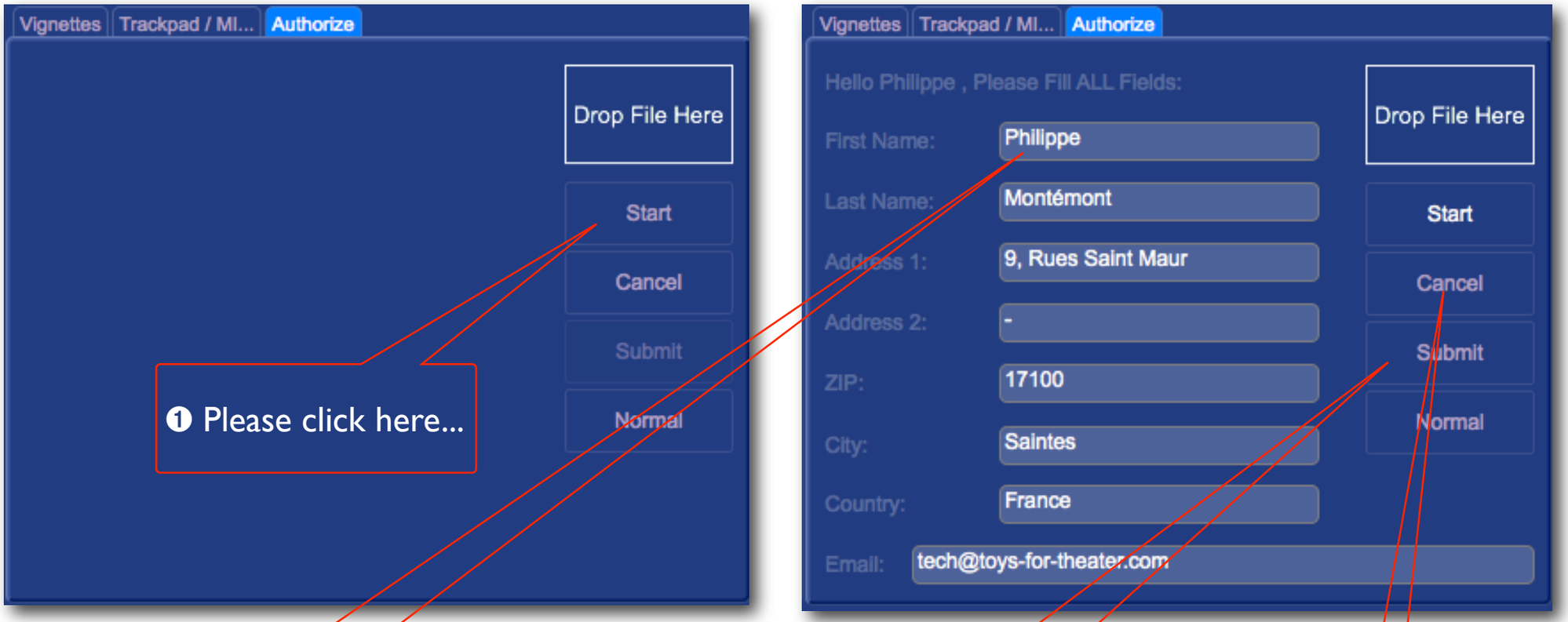
Authorizing Nyno.

Once you've bought a licence, press Start to initiate the authorization.



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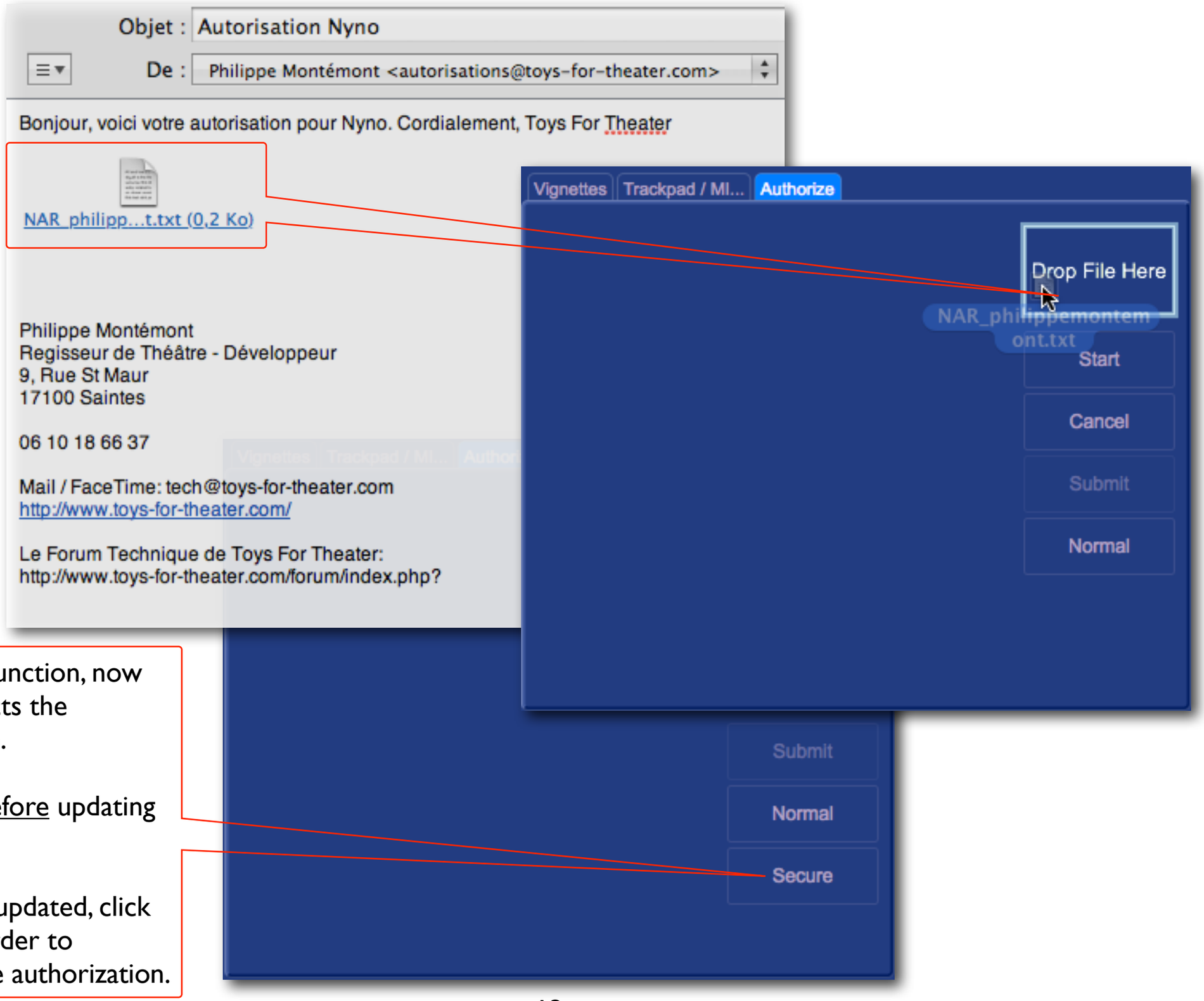
Authorizing Nyno.

When you receive the answer file (store it in a safe place)...



The Secure function, now active, protects the authorization.

Click here before updating Nyno.

After having updated, click Normal in order to reactivate the authorization.

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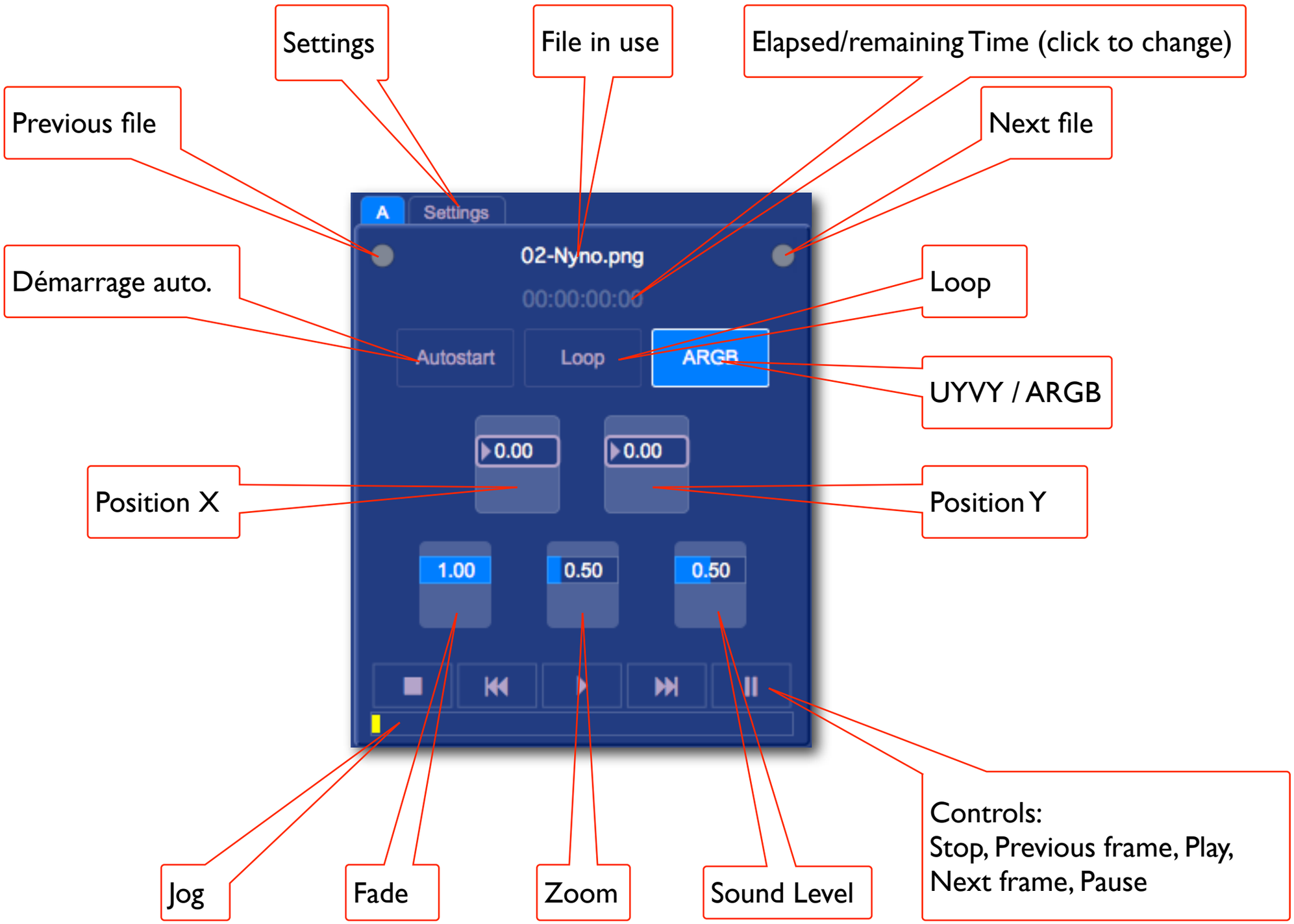
Players A & B

A is always rendered in front of B. They work exactly the same way.



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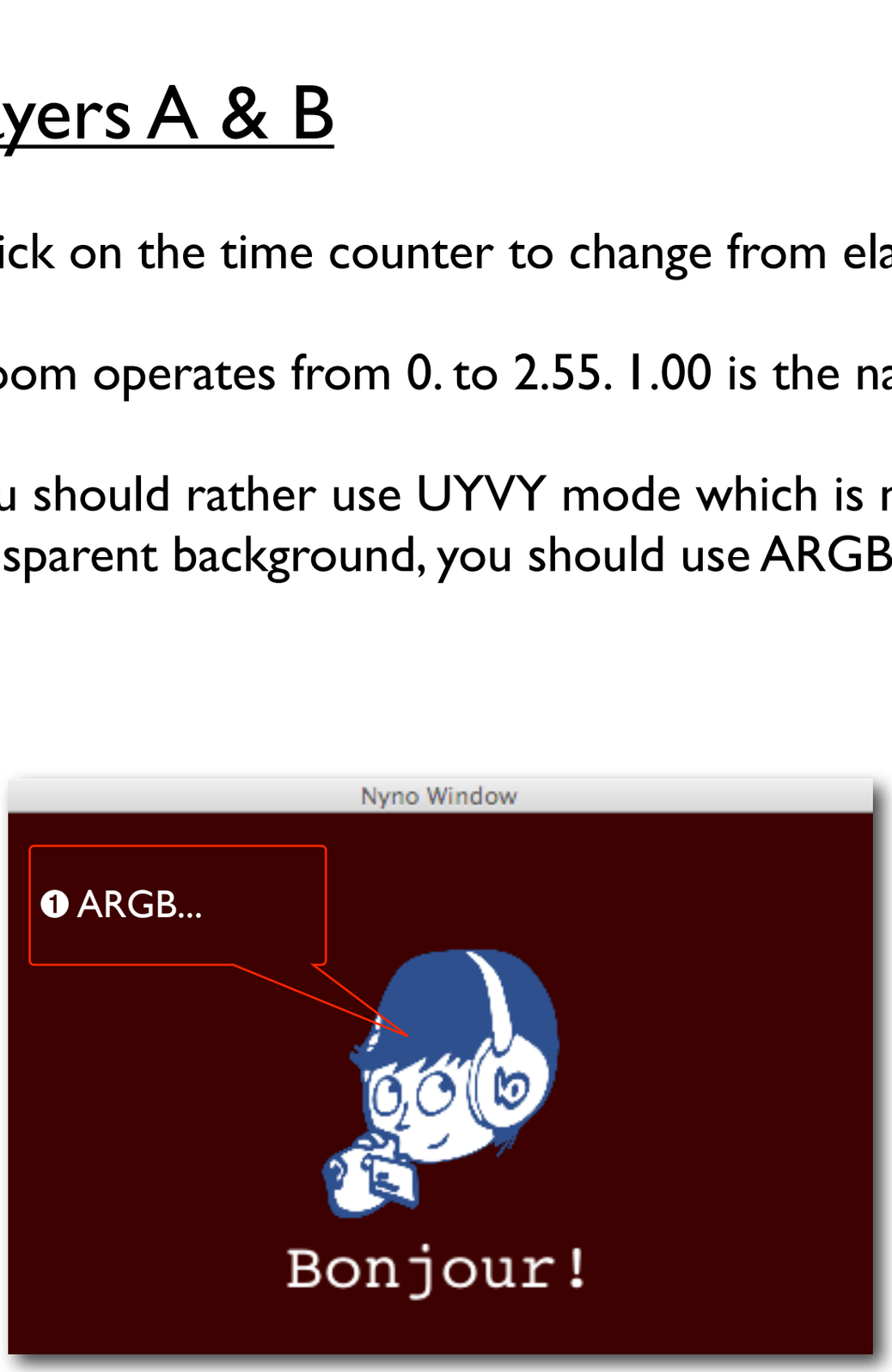
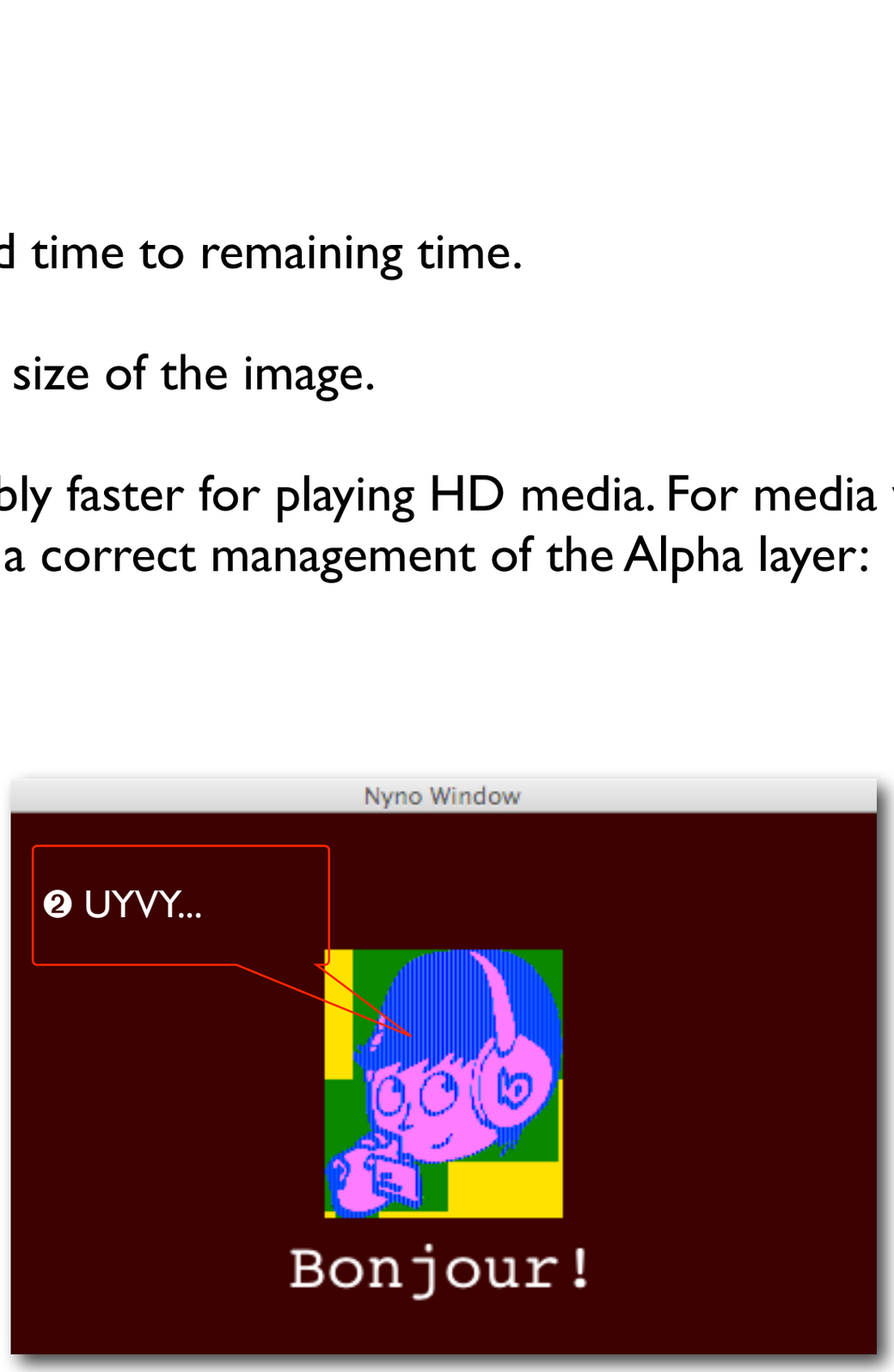
Players A & B

- Click on the time counter to change from elapsed time to remaining time.

- Zoom operates from 0. to 2.55. 1.00 is the native size of the image.

- You should rather use UYVY mode which is notably faster for playing HD media. For media with a transparent background, you should use ARGB for a correct management of the Alpha layer:





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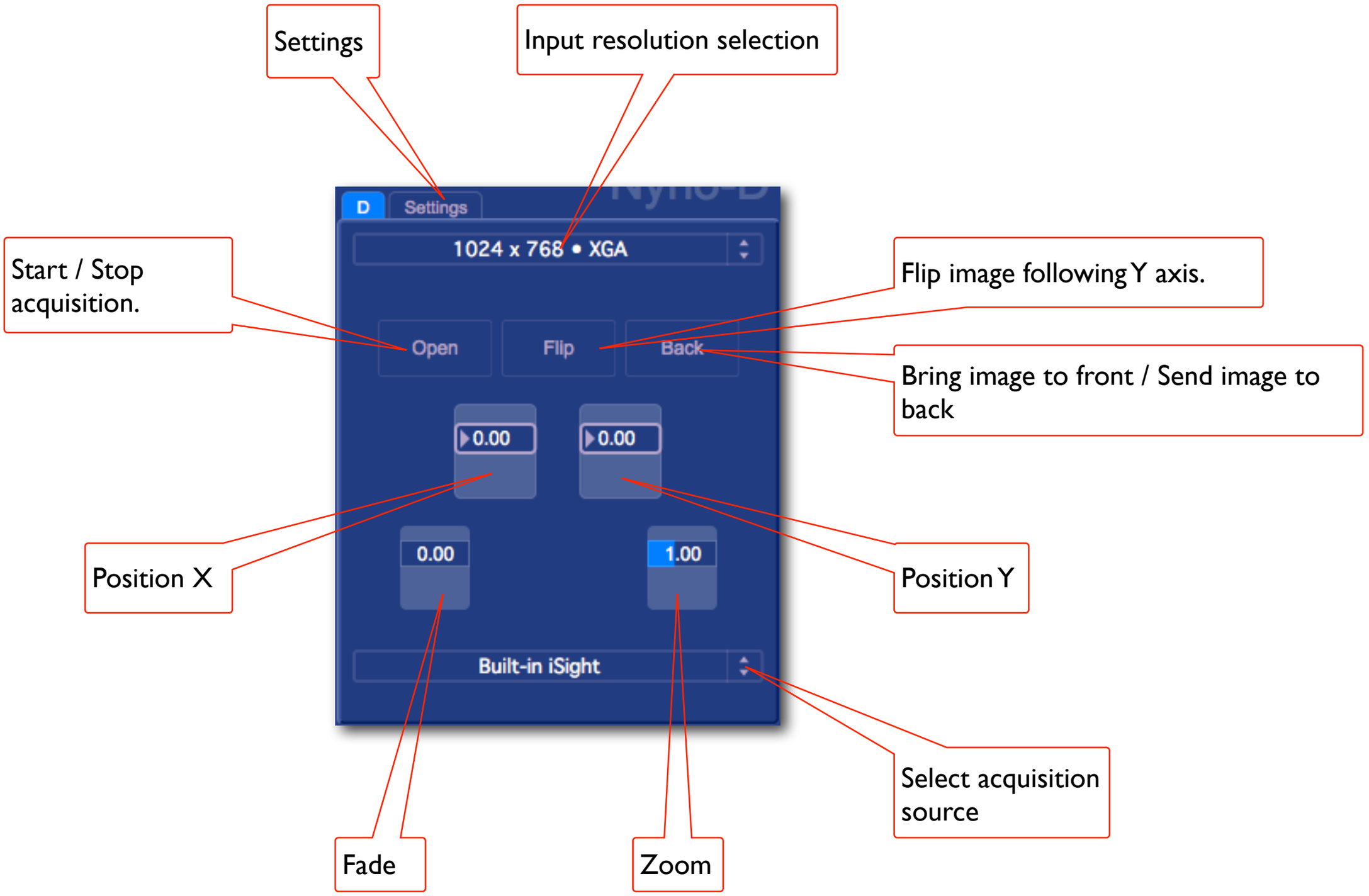
Digitizer D

In Nyno-D, A is before D. Still does the "Back/Front" button allow you to change this. The Digitizer does not do sound acquisition.



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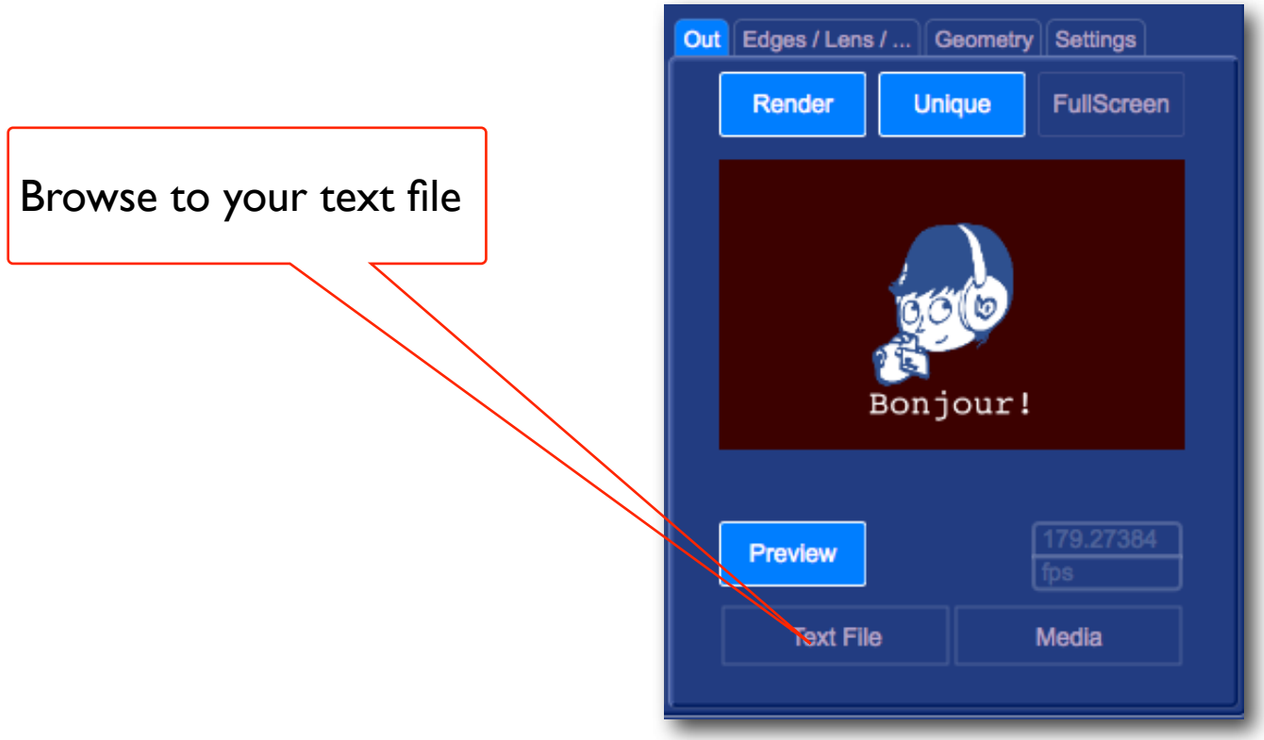
Title generator

The Title generator is always at the front.



How to make your title file.

The file should be a simple text: ".txt"
You might have to modify it as the "," and ";" signs cannot be read directly. You will have to put a backslash before them: "\," and "\;"
A word processor will easily search and replace all these elements.

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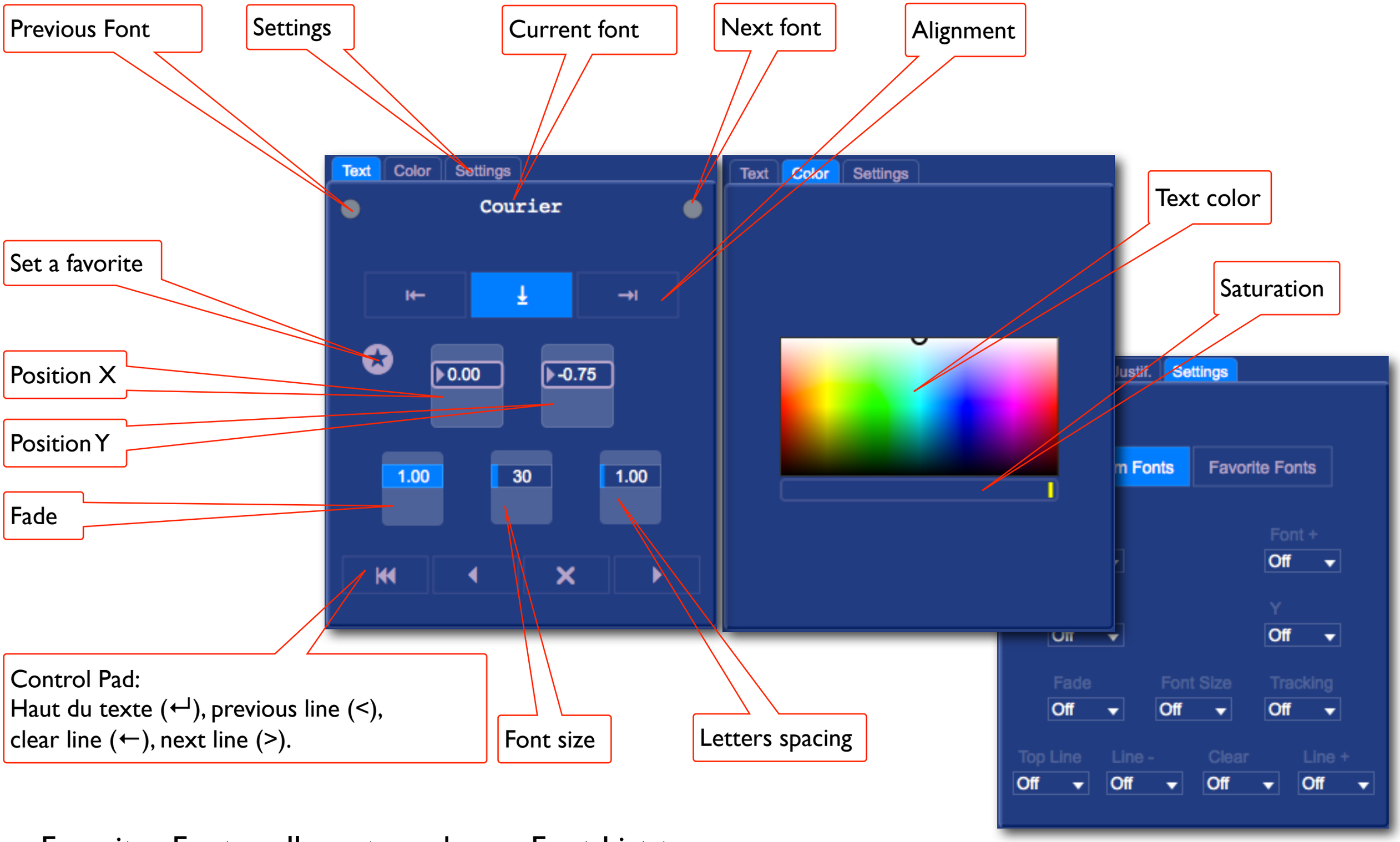
Title generator



- « Favorites Fonts» allows to reduce a Font List to necessary...

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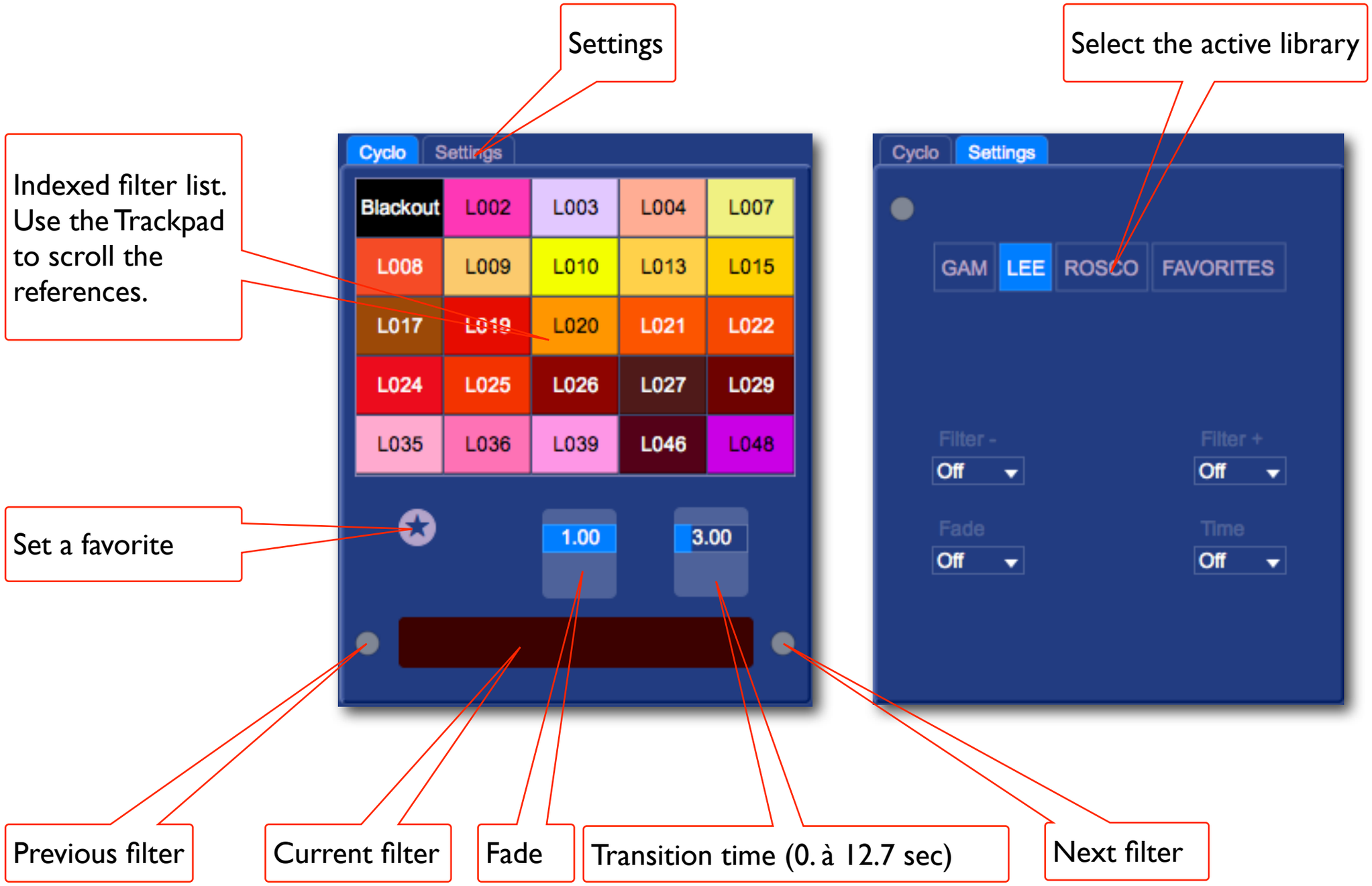
Cyclorama

The Cyclorama is always in the background. Les, Gam and Rosco filter values are from the Lightool library.



- « Favorites» allows to compose a library with references from all other ones...

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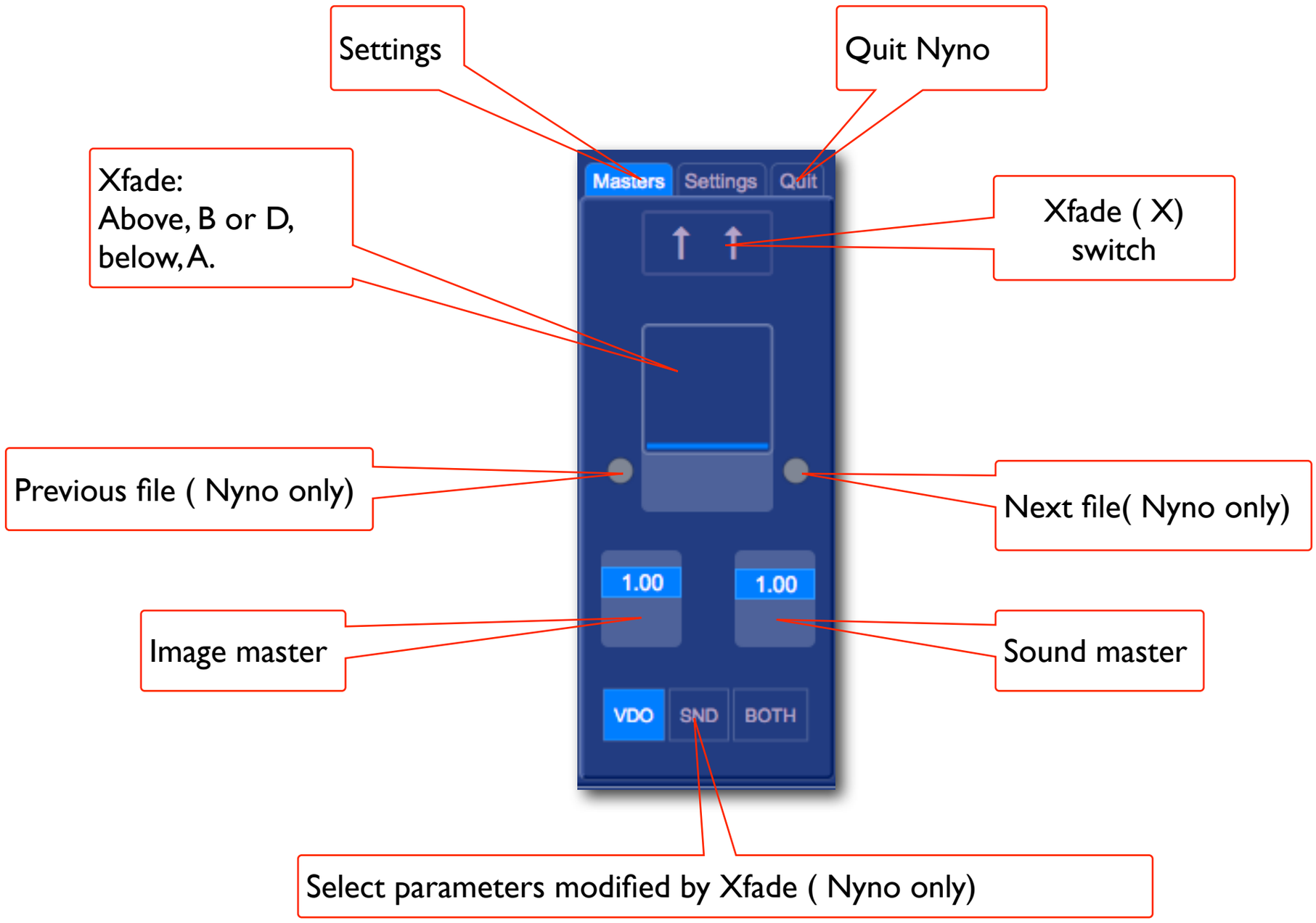
Masters

In addition to video and audio Masters, you will find here a Crossfade. In Nyno, you can choose whether the Xfade is on the image, or the sound, or both.



In Nyno,"Next file" and "Previous file" buttons load the available player.

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Saving and quitting.

To quit Nyno, click continuously the "Quit" button.
An automatic backup is then made. The red line indicates an imminent closure. Please note that the Cmd-Q shortcut does not initiate any backup.

The automatic backup allows you to find Nyno exactly like it was the day before.

The automatic backup is only available once the application has been authorized.

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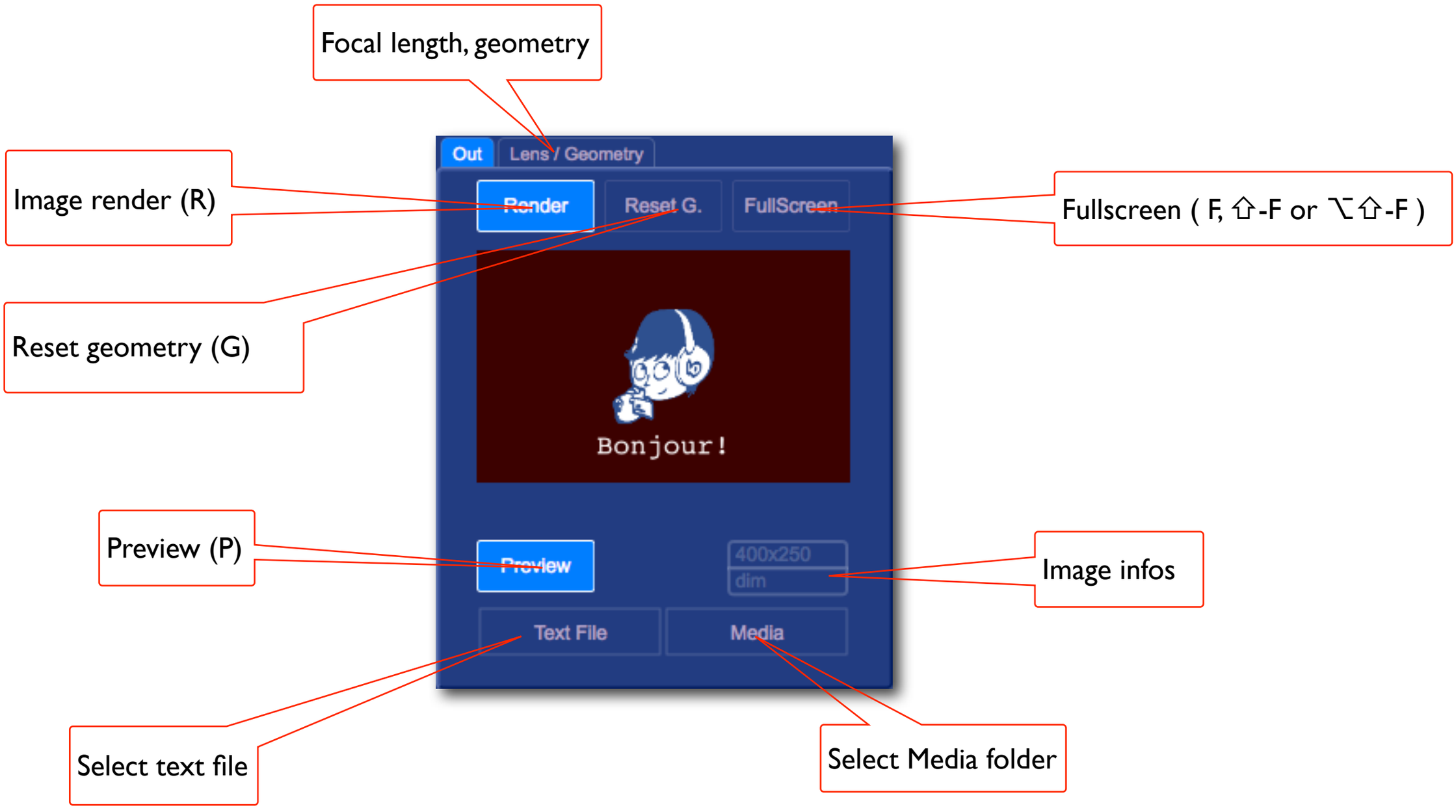
Output

You will find here all the final cut settings.



The ⌥⇧-F shortcut will provide a complete local fullscreen hiding the menu bar and the pointer. The ⇧-F shortcut will provide a local fullscreen, leaving pointer visible for geometry settings. The F shortcut is suited for an external monitor or video-projector fullscreen. Leave all modes by typing "F".

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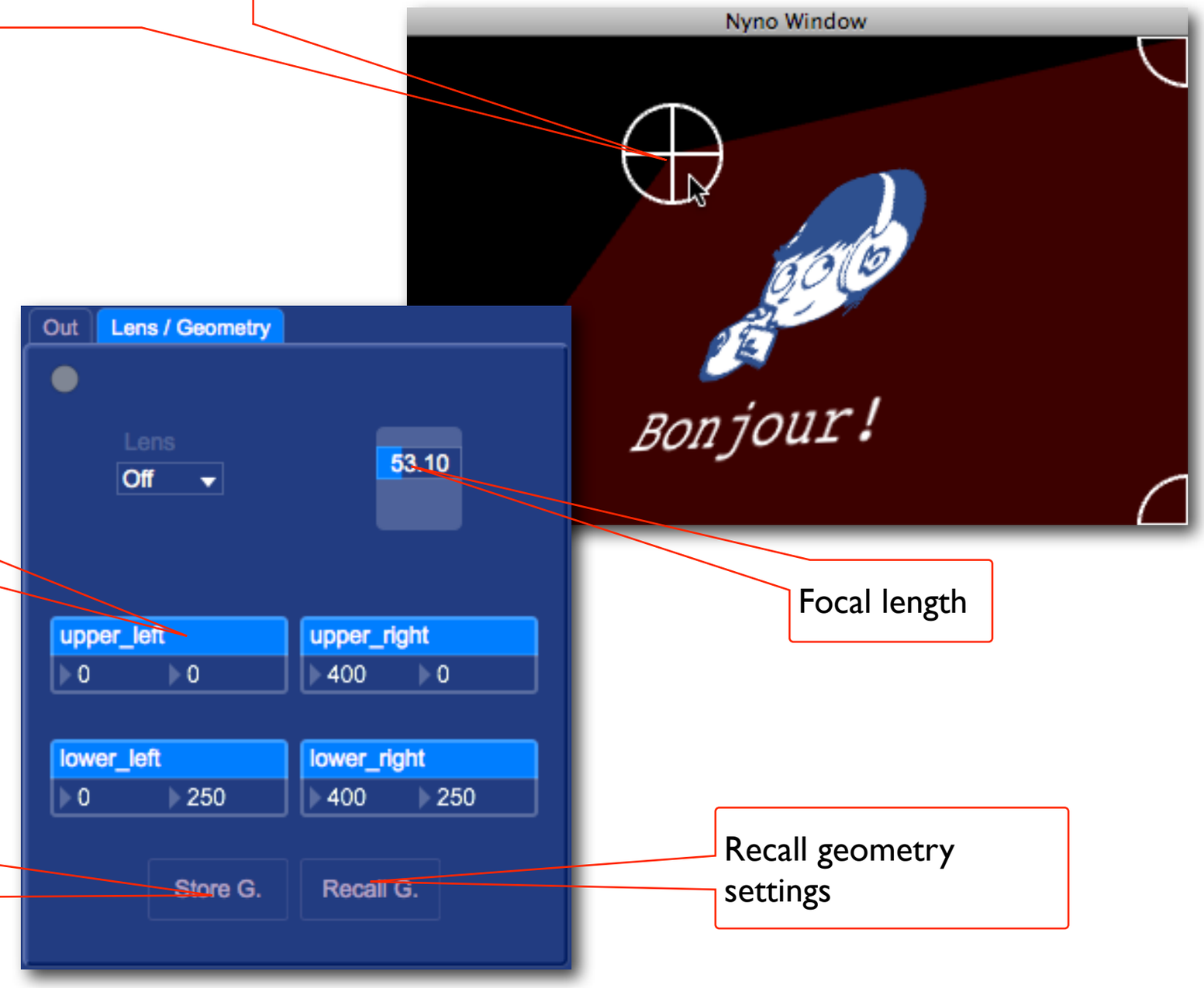
Geometry and focal length

These settings modify the whole final cut.

Click on the screen to reveal the cornerpins...



... Or modify digitally the location of the handles.

Focal length

Store geometry settings

Recall geometry settings

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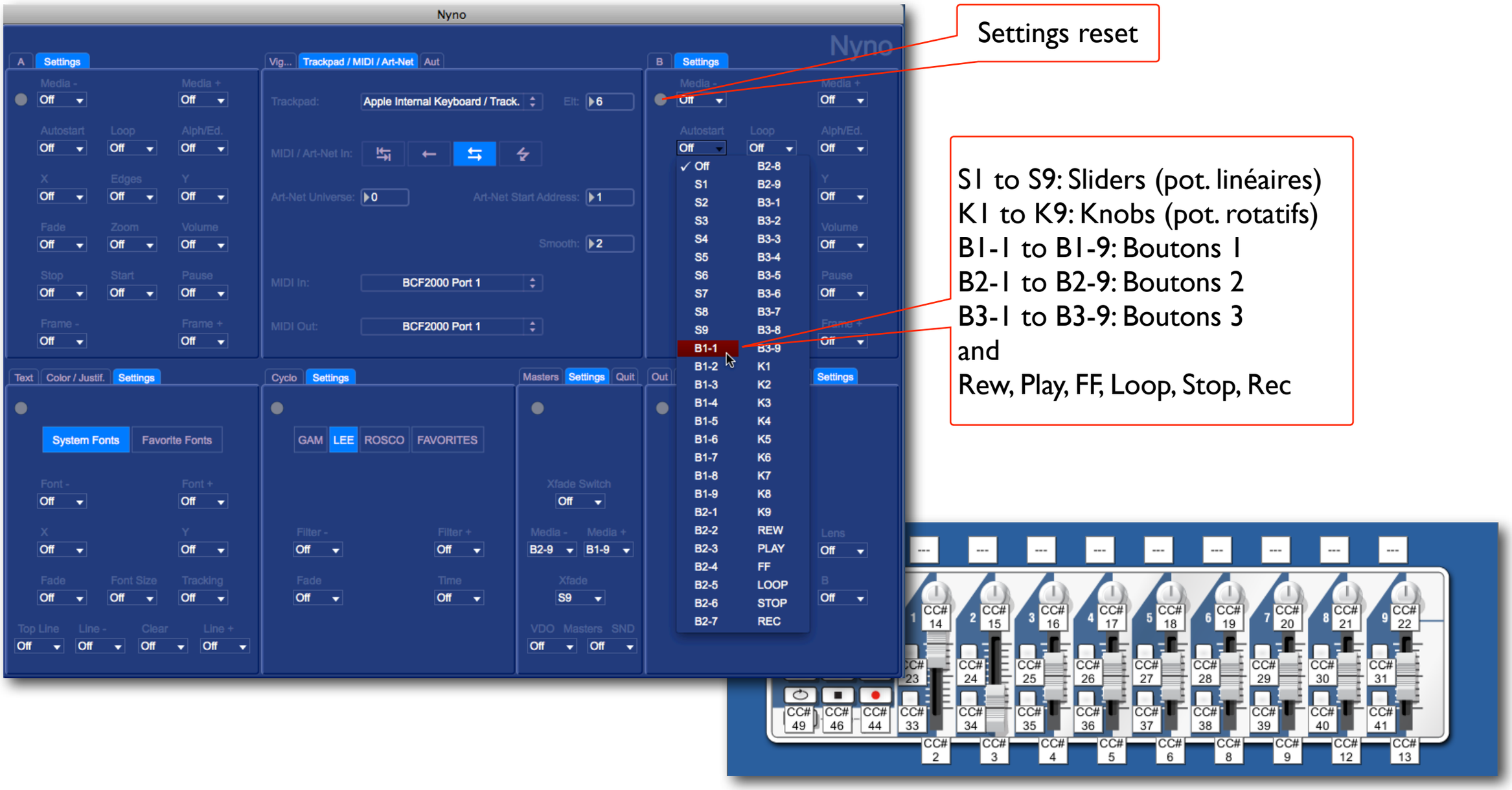
Comflex

The Comflex system allows you to move control data between all settings sharing the same address, whichever setting is modified. The architecture of the system is based on that of the cheap NanoKontrol 1 by Korg.



External controller optional. MIDI ports "to Nyno" and "from Nyno" already allow the Comflex to work "internally"!

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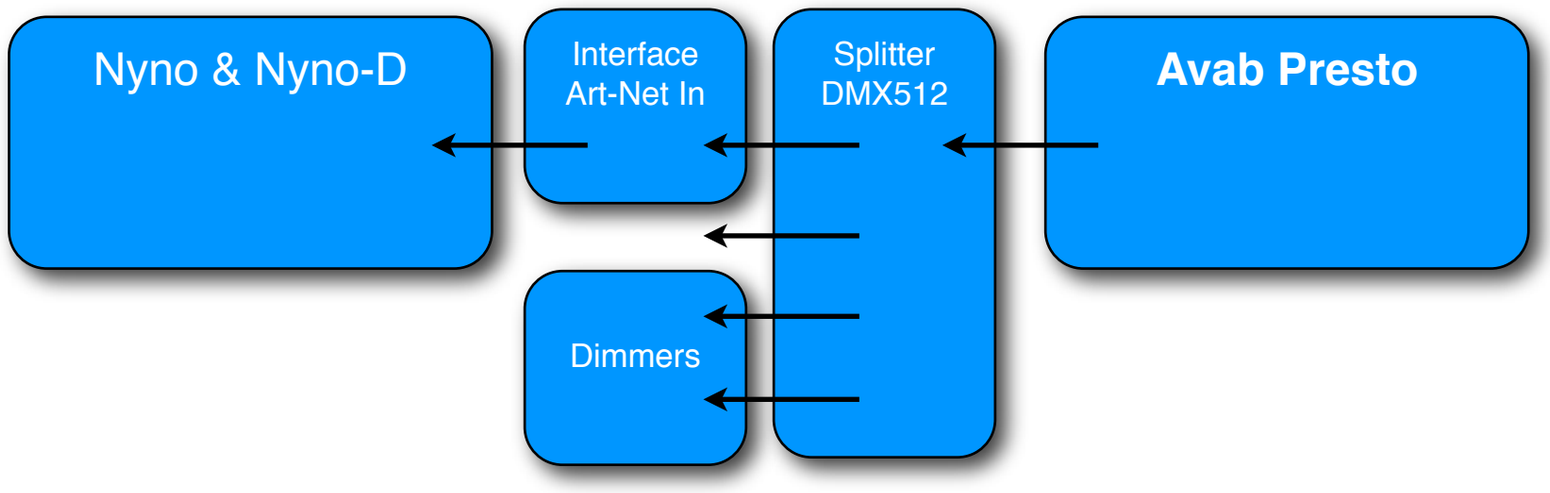
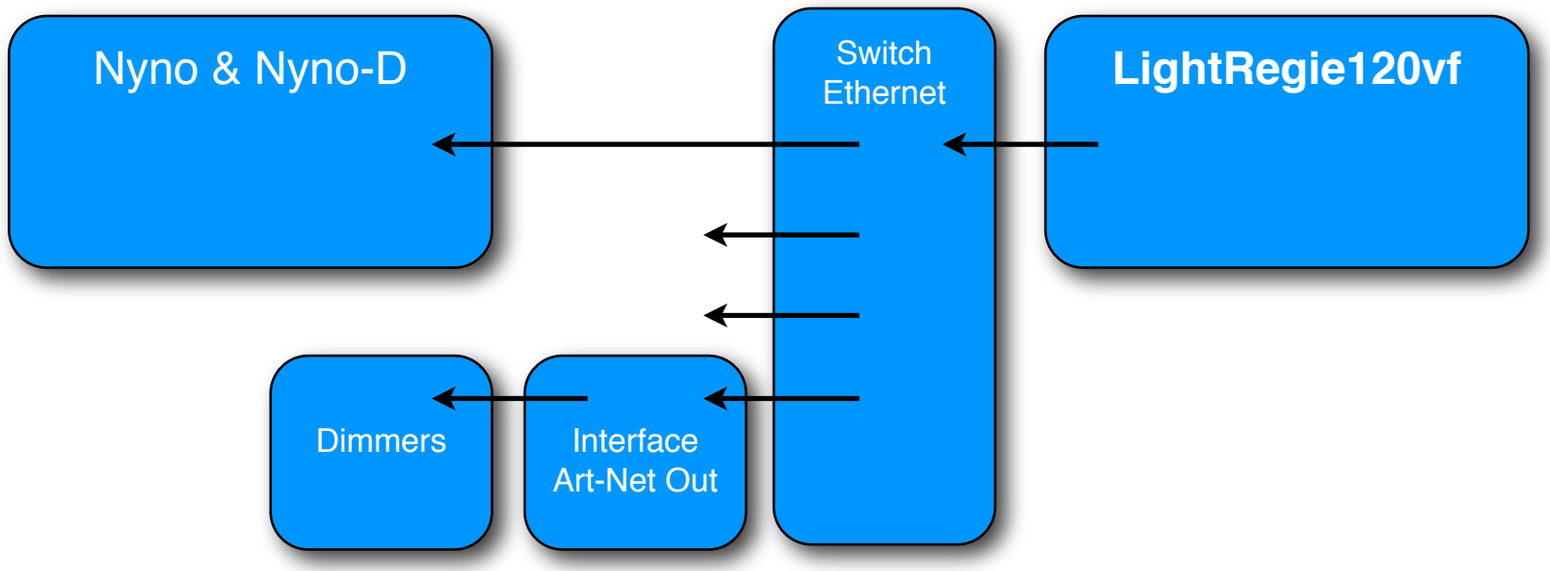
Art-Net

Attention: in DMX512, channel 1 is the channel defined by the « Art-Net Start Address» !





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Comflex / MIDI / Art-Net

Comflex, MIDI, DMX512 correspondence. MIDI cch cannot be modified in Nyno. MIDI is active on channel 1.

Nyno	MIDI	DMX512	Nyno	MIDI	DMX512	Nyno	MIDI	DMX512
S1	2	1	**B2-1**	33	19	**K1**	14	37
S2	3	2	**B2-2**	34	20	**K2**	15	38
S3	4	3	**B2-3**	35	21	**K3**	16	39
S4	5	4	**B2-4**	36	22	**K4**	17	40
S5	6	5	**B2-5**	37	23	**K5**	18	41
S6	8	6	**B2-6**	38	24	**K6**	19	42
S7	9	7	**B2-7**	39	25	**K7**	20	43
S8	12	8	**B2-8**	40	26	**K8**	21	44
S9	13	9	**B2-9**	41	27	**K9**	22	45
B1-1	23	10	**B3-1**	53	28	**REW**	47	46
B1-2	24	11	**B3-2**	54	29	**PLAY**	45	47
B1-3	25	12	**B3-3**	55	30	**FF**	48	48
B1-4	26	13	**B3-4**	56	31			
B1-5	27	14	**B3-5**	57	32	**LOOP**	49	49
B1-6	28	15	**B3-6**	58	33	**STOP**	46	50
B1-7	29	16	**B3-7**	59	34	**REC**	44	51
B1-8	30	17	**B3-8**	60	35	**-**		
B1-9	31	18	**B3-9**	61	36	**-**		

Attention: in DMX512, channel 1 is the channel defined by the « Art-Net Start Address» !

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Nyno & Nyno-D shortcuts

Nyno

Title Generator:	
Next line	>
Previous line	<
Clear current line	←
Jump to the top of the text	↵
Masters:	
Xfade	X
Video Xfade only	V
Sound Xfade only	S
Video and Sound Xfade	B
Output:	
Render	R
Reset Geometry	G
External Fullscreen	F
Local Fullscreen (On / Off)	F / ⇧-F / ⌥⇧-F
Prévisualisation	P
Trackpad:	
Fine tune	⌥
A et B, synchro param.	(⌥) ⇧
A et B, synchro param. inverted	(⌥) ctrl-⇧

Nyno-D

Title Generator:	
Next line	>
Previous line	<
Clear current line	←
Jump to the top of the text	↵
Masters:	
Xfade	X
Output:	
Render	R
Reset Geometry	G
External Fullscreen	F
Local Fullscreen (On / Off)	F / ⇧-F
Prévisualisation	P
Trackpad:	
Fine tune	⌥
A et B, synchro param.	(⌥) ⇧
A et B, synchro param. inverted	(⌥) ctrl-⇧

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